| UUU<br>UUU | UUU<br>UUU |               |     | PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP | \$ | YYY YYY       |
|------------|------------|---------------|-----|--|--|---------------|
| UUU<br>UUU | UUU<br>UUU | EEE           |     | PPF PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP | SSSSSSSSSSS<br>SSS   | YYY YYY       |
| UUU        | UUU        | EEE           | 111 | PPP PPP                                |  | YYY YYY       |
| UUU        | ŬŬŬ        | ĔĔĔ           | ήήή | PPP PPP                                |  | YYY YYY       |
| ŬŬŬ        | ŬŬŬ        | ĔĔĔ           | İİİ | PPP PPP                                |  | '''YYY YYY''' |
| ŬŬŬ        | ŨŨŨ        | ĔĔĔ           | ŤŤŤ | PPP PPP                                |  | ÝÝÝ ÝÝÝ       |
| UUU        | UUU        | ÉEÉ           | TTT | PPP PPP                                |  | YYY YYY       |
| UUU        | UUU        | EEEEEEEEEE    | TTT | PPPPPPPPPPP                            | SSSSSSSS   | YYY           |
| UUU        | UUU        | EEEEEEEEEE    | TTT | PPPPPPPPPPP                            | SSSSSSSS   | YYY           |
| UUU        | UUU        | EEEEEEEEEEE   | ŢŢŢ | PPPPPPPPPPP                            | SSSSSSSS   | YYY           |
| UUU        | UUU        | EEE           | ŢŢŢ | PPP                                    | SSS  | YYY           |
| UUU        | UUU        | EEE           | TTT | PPP                                    | SSS  | YYY           |
| UUU        | UUU        | EEE           | TTT | PPP                                    | SSS  | YYY           |
| UUU        | UUU        | EEE           | TTT | PPP                                    | SSS  | YYY           |
| UUU        | UUU        | EEE           | TTT | PPP                                    | SSS  | YYY           |
| UUU        | UUU        | EEE           | TTT | PPP                                    | SSS  | YYY           |
|            | JUUUUUUUU  | EEEEEEEEEEEEE | TTT | PPP                                    | SSSSSSSSSS   | YYY           |
|            | UUUUUUUU   | EEEEEEEEEEEEE | TTT | PPP                                    | SSSSSSSSSS   | YYY           |
| UUUUUUU    | UUUUUUUU   | EEEEEEEEEEEEE | TTT | PPP                                    | SSSSSSSSSS   | YYY           |

55 55 555555 555555

| \$ | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT                                       | \$ | \$ | \$ |
|--|--|--|--|--|
|  | \$ |  |  |  |

SA1 VQ4

| SATSSS54<br>Table of contents   | SATS SYSTEM SERVICE TESTS SCLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00   |
|---|--|
| (1) 54<br>(1) 82<br>(1) 107<br>(1) 170<br>(1) 240<br>(1) 333<br>(1) 452 | DECLARATIONS CONDITION TABLES TM SETUP, TM CLEANUP CONDITION SUBROUTINES - SETUP AND CLEANUP FORM CONDS VERIFY VFY_CLEANUP |

SAT VO4

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SATS SYSTEM SERVICE TESTS $CLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 5-SEP-1984 04:32:23 [UETPSY.SRC]SATSSS54.MAR;1
                                                                                                                                          (1)
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.TITLE SATSSS54 SATS SYSTEM SERVICE TESTS \$CLREF (SUCC S.C.)

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: FACILITY: SYSTST (SATS SYSTEM SERVICE TESTS)

ABSTRACT:

THIS MODULE CONTAINS SUBROUTINES WHICH, WHEN LINKED WITH SUCCOMMON.OBJ, FORM TEST MODULE SATSSS4 TO TEST SUCCESSFUL OPERATION OF THE SCLREF SYSTEM SERVICE. THE SERVICE IS INVOKED UNDER VARIOUS INPUT CONDITIONS WITH VARYING INPUT PARAMETERS. ONLY SUCCESSFUL STATUS CODES ARE EXPECTED IN THIS TEST MODULE. CORRECT OPERATION OF THE SERVICE FOR EACH OF ITS ISSUANCES IS VERIFIED BY CHECKING FOR AN SS\$ NORMAL STATUS CODE, EXPECTED RETURN ARGUMENTS AND EXPECTED FUNCTIONALITY PERFORMED.

ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE, DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.

AUTHOR: THOMAS L. CAFARELLA, CREATION DATE: SEP, 1977

MODIFIED BY:

. : VERSION

52 :--

33

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SATS SYSTEM SERVICE TESTS $CLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 Page 3 DECLARATIONS 5-SEP-1984 04:32:23 [UETPSY.SRC]SATSSS54.MAR;1 (1)

00000000 70 PSECT RODATA, RD, NOWRT, NOEXE, LONG TEST MODULE NAME 0009 72 TEST MOD NAME: STRING C. <SATSSS54> TEST MODULE NAME DESCRIPTOR 0019 73 MSG1_INP_CTL: STRING I. < SSCEF!4ZW: CONDITIONS:>
0039 74 MSG3_ERR_CTL:: STRING I. <*SSCEF!4ZW: !AS>
0051 76 FAO CTL STRING FOR MSG3 IN SUCCOMMON.MAR
```

SAT

Sym

FAC FOR SATS SYSTEM SERVICE TESTS \$CLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 Page 4 DECLARATIONS 5-SEP-1984 04:32:23 EUETPSY.SRCJSATSSS54.MAR;1 (1)

00000000 00000008 0000 0000000 0008 78 .PSECT RWDATA,RD,WRT,NOEXE,LONG
79 PRIVMASK: .BLKQ 1 ; ADDR OF PRIVILEGE MASK (IN PHD)
80 CLUSTER: .BLKL 1 ; STATE ARGUMENT ON READEF SERVICE

PSE

SAT Pse

SAB ROD RUD SAT

Pha ---

Ini Com Pas Sym Pas Sym Pse Cro Ass

The 285 The 506 35

\$2 -\$2 -\$2 TOT 620

MAC

The

```
SATS SYSTEM SERVICE TESTS $CLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 CONDITION TABLES 5-SEP-1984 04:32:23 [UETPSY.SRC]SATSSS54.MAR;1
                                                                                                                                          Page
        000C
                                     .SBTTL CONDITION TABLES
        0000
        0000
                                    **** CONDITION TABLES FOR CLREF SYSTEM SERVICE *****
        0000
                    85
                                                1,NOTARG,<CLUSTER NUMBER>,-
<CLUSTER 0 (PROCESS-LOCAL)>,-
<CLUSTER 1 (PROCESS-LOCAL)>,-
<CLUSTER 2 (COMMON)>,-
<CLUSTER 3 (COMMON)>,-
        0000
                                    COND
        0000
        000C
        0000
                    89
        0000
                    90
        0000
                    91
                   93
93
95
                                                      .BYTE 0
.BYTE 1
.BYTE 2
.BYTE 3
       0086
                                                                         ; CLUSTER NUMBER 0
 01
02
03
                                                                        CLUSTER NUMBER 1
CLUSTER NUMBER 2
CLUSTER NUMBER 3
       0087
       0088
       0089
                   96
97
        008A
        A800
                                    COND
                                                2, NULL
        008B
                   98
        008B
                   99
                                    COND
                                                3, NULL
        008C
                  100
       0080
                  101
                                    COND
                                                4, NULL
        0800
                  102
                  103
       0080
                                    COND
                                                5.NULL
       008E
                  104
 0000000
                  105
                                    .PSECT SATSSS54,RD,WRT,EXE
```

\*\*

(1)

```
SATS SYSTEM SERVICE TESTS SCLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 TM_SETUP, TM_CLEANUP 5-SEP-1984 04:32:23 [UETPSY.SRC]SATSSS54.MAR;1
SATSSS54
                                                                                                                                                                       Page
V04-000
                                                                            .SBTTL TM_SETUP, TM_CLEANUP
                                                  0000
                                                            108
                                                  0000
                                                            109
                                                                   FUNCTIONAL DESCRIPTION:
                                                  0000
                                                            110
                                                  0000
                                                                    TM SETUP AND TM CLEANUP ARE CALLED TO PERFORM REQUIRED HOUSEKEEPING AT THE BEGINNING AND END, RESPECTIVELY, OF
                                                            111
                                                           112
                                                  0000
                                                  0000
                                                                    TEST MODULE EXECUTION.
                                                  0000
                                                            114
                                                  0000
                                                            115
                                                                    CALLING SEQUENCE:
                                                            116
                                                  0000
                                                  0000
                                                                            BSBW TM_SETUP
                                                                                                 BSBW TM_CLEANUP
                                                  0000
                                                            118
                                                  ŏŏŏŏ
                                                            119
                                                                    INPUT PARAMETERS:
                                                  0000
                                                            120
1223
1223
1225
127
127
133
133
                                                  0000
                                                                            NONE
                                                  0000
                                                  0000
                                                                    IMPLICIT INPUTS:
                                                  0000
                                                  0000
                                                                            NONE
                                                  0000
                                                  0000
                                                                    OUTPUT PARAMETERS:
                                                    J00
                                                  0000
                                                                            NONE
                                                  0000
                                                  0000
                                                                    IMPLICIT OUTPUTS:
                                                  0000
                                                  0000
                                                                            TM_SETUP: COND TABLE INDEX REGISTERS (R2,3,4,5,6) CLEARED;
                                                  0000
                                                            134
                                                                                           ALL PRIVILEGES ACQUIRED.
                                                  0000
                                                            135
                                                  0000
                                                                    COMPLETION CODES:
                                                            137
                                                  0000
                                                            138
                                                  0000
                                                                            EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
                                                            139
                                                  0000
                                                  0000
                                                            140
                                                                   SIDE EFFECTS:
                                                  0000
                                                            141
                                                           142
                                                                            SS CHECK AND ERR EXIT MACROS CAUSE PREMATURE EXIT (VIA RSB) IF ERROR ENCOUNTERED.
                                                  0000
                                                  0000
                                                  0000
                                                            144
                                                  0000
                                                            145
                                                  0000
                                                           146
                                                  0000
                                                            147
                                                  0000
                                                  0000
                                                            149
                                                                 TM_SETUP::
                                                  0000
                                                            150
                                                                            CLRL
                                      52
53
54
55
56
                                                                                                                        : INITIALIZE
                                            D4
D4
                                                            151
                                                  0002
                                                                            CLRL
                                                                                                                          .. CONDITION
                                                            152
153
154
155
                                                  0004
                                                                            CLRL
                                                                                                                          .... TABLE
                                            D4
D4
30
                                                  0006
                                                                                       R5
                                                                                                                          ..... INDEX
                                                                            CLRL
                                                  0008
                                                                            CLRL
                                                                                                                               .... REGISTERS
                                                                                      MOD_MSG_PRINT : PRINT TEST MODULE BEGIN MSG
TEST_MOD_SUCC_TMD_ADDR : ASSUME END MSG WILL SHOW SUCCESS
#SUCCESS,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR SUCCESS
                                                  000A
                                                                            BSBW
                                                            156
157
       0000000'EF
                                             DE
                                                  000D
                          00000001EF
                                                                            MOVAL
                         00000000'8F
0000000'EF
            03
                  00
                                                  0018
                                                                            INSV
                                                  0020
                                                            158
159
                                                  0025
                                                                            MODE
                                                                                       TO,5%, KRNL
a#CTL$GL_PHD,R9
                                                                                                                         KERNEL MODE TO ACCESS PHD GET PROCESS HEADER ADDRESS
                          000000019F
                                                  0048
                                             DO
                                                                            MOVL
                                                                                       PHD$Q PRIVMSK(R9) PRIVMASK; GET PRIV MASK ADDRESS FROM, 5$; BACK TO USER MODE
                   00000000 EF
                                             DE
                                                  004F
                                                            160
                                                                            MOVAL
```

0056

0057

161

162

NODE

PRIV

ADD, ALL

: GET ALL PRIVILEGES

00B6

SATS SYSTEM SERVICE TESTS \$CLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro \04-00 TM\_SETUP, TM\_CLEANUP 5-SEP-1984 04:32:23 [UETPSY.SRC]SATSSS54.MAR;1 Page (1)

163 \$SETE 164 \$5 CH 165 RSB 166 TM\_CLEANUP:: 167 BSBW 168 RSB 0077 0084 0082 0083 0083 \$SETPRN\_S TEST\_MOD\_NAME\_D SS\_CHECK NORMAL RSB : SET PROCESS NAME : CHECK STATUS CODE RETURNED FROM SETPRN : RETURN TO MAIN ROUTINE FF4A' 30 05 MOD\_MSG\_PRINT

; PRINT TEST MODULE END MSG ; RETURN TO MAIN ROUTINE

SAT VO4

```
SATS SYSTEM SERVICE TESTS SCLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 CONDITION SUBROUTINES - SETUP AND CLEANU 5-SEP-1984 04:32:23 [UETPSY.SRC]SATSSS54.
                                                                                                   [UETPSY.SRC]SATSSS54.MAR:1
                                                                                                                                                            (1)
                                      .SBTTL CONDITION SUBROUTINES - SETUP AND CLEANUP
                   171 ;++
        00B7
                   172
        0087
                          : FUNCTIONAL DESCRIPTION:
        0087
                            CONDX AND CONDX CLEANUP ARE SUBROUTINES WHICH ARE EXECUTED BEFORE AND AFTER THE VERIFY SUBROUTINE, RESPECTIVELY, WHENEVER A NEW CONDITION X VALUE IS SELECTED (SEE FUNCTIONAL DESCRIPTION OF SUCCOMMON ROUTINE IN SUCCOMMON.MAR). ANY SETUP FUNCTION PARTICULAR TO THE CONDITION X TABLE IS INCLUDED IN THE CONDX SUBROUTINE AND CLEANED UP, IF NECESSARY, IN THE CONDX CLEANUP SUBROUTINE. THIS INCLUDES, ESPECIALLY, CODE TO DETECT CONFLICTS AMONG CURRENT ENTRIES IN TWO OR MORE CONDITION TABLES. IF A CONFLICT IS DETECTED, A NON-ZERO VALUE IS STORED INTO CONFLICT, WHICH CAUSES THE CALLING ROUTINE (SUCCOMMON) TO SKIP THE CURRENT ENTRY IN THE CONDITION X TABLE
                   174
        00B7
        00B7
                   175
        00B7
                   176
        00B7
                   177
        00B7
                   178
        00B7
                   179
        00B7
                   180
        00B7
                   181
                   182
183
        00B7
                             (SUCCOMMON) TO SKIP THE CURRENT ENTRY IN THE CONDITION X TABLE.
        00B7
        00B7
                   184
        00B7
                   185
                             CALLING SEQUENCE:
        00B7
                   186
        00B7
                   ì 87
                                      BSBW CONDX BSBW CONDX_CLEANUP
        00B7
                   188
                                         WHERE X = 1.2.3.4.5
        00B7
                   189
        00B7
                   190
                            INPUT PARAMETERS:
        00B7
                   191
                   192
        00B7
                                      CONFLICT = 0
        00B7
                   193
        00B7
                   194
                            IMPLICIT INPUTS:
        00B7
                   195
        00B7
                   196
                                      R2.3.4.5.6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
        00B7
                   197
                                         FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
        00B7
                   198
        00B7
                   199
                            OUTPUT PARAMETERS:
        00B7
                   200
        00B7
                   201
                                      CONFLICT SET TO NON-ZERO IF COND TABLE CONFLICT DETECTED.
        00B7
                   202
        00B7
                   203
                            IMPLICIT OUTPUTS:
        00B7
                   204
        00B7
                   205
                                      R2.3.4.5.6 PRESERVED
        00B7
                   206
                   207
        00B7
                            COMPLETION CODES:
                   208
        00B7
        00B7
                   209
                                      NONE
        0087
                   210
        00B7
                   211
                            SIDE EFFECTS:
        00B7
        00B7
                                      NONE
        00B7
                   215 ;--
        00B7
        00B7
        00B7
        00B7
        00B7
                         COND1::
       0087
                                                                                          ; RETURN TO MAIN ROUTINE
        00B8
                         COND1_CLEANUP::
        0088
                                      RSB
                                                                                          ; RETURN TO MAIN ROUTINE
        00B9
                         COND2::
        00B9
                                                                                          ; RETURN TO MAIN ROUTINE
        00BA
                         COND2_CLEANUP::
 05
        00BA
                                      RSB
                                                                                          ; RETURN TO MAIN ROUTINE
```

SAT

V04

| SATS<br>COND | SYSTE<br>I i ION   | M SERV<br>Subroi  | VICE TEST<br>UTINES - | S \$CLREF<br>SETUP AND | (SUCC<br>CLEANU | 16-SEP-1984<br>5-SEP-1984 | 00:57:57<br>04:32:23 | VAX/VMS Ma  | acro VO4-00<br>RCJSATSSS54.MAR;1 | Page | 9 (1) |
|--------------|--|-------------------|-----------------------|------------------------|-----------------|---------------------------|----------------------|-------------|----------------------------------|------|-------|
| 05           | 0088<br>00080<br>00080<br>00080<br>00088<br>0008<br>0000<br>0000 | 227<br>228<br>229 | COND3::               | RSB<br>FANILE:         |                 |                           | ; RET                | URN TO MAIN | ROUTINE                          |      |       |
| 05           | 00BC<br>00AD   | 230<br>231        | COND4::               | RSB                    |                 |                           | ; RET                | URN TO MAIN | ROUTINE                          |      |       |
| 05           | 00BD<br>00BE   | 232<br>233        | COND4_CL              | RSB<br>EANUP::         |                 |                           | ; RET                | URN TO MAIN | ROUTINE                          |      |       |
| 05           | 00BE<br>00BF   | 234<br>235        | _                     | RSB                    |                 |                           | ; RET                | URN TO MAIN | ROUTINE                          |      |       |
| 05           | 00BF<br>00C0   | 236<br>237<br>238 | COND5_CL              | RSB<br>EANUP::         |                 |                           | ; RET                | URN TO MAIN | ROUTINE                          |      |       |
| 05           | 0000   | 238               | • •                   | RSB                    |                 |                           | ; RET                | URN TO MAIN | ROUTINE                          |      |       |

SAT VO4

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```
SAT
V04
```

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```
SATSSS54
V04-000
```

FF1D'

00BF

0000000C 'EF

0000001C'EF42

00000001EF

00000000 EF

00000001EF

00

03

00

```
SATS SYSTEM SERVICE TESTS SCLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 FORM_CONDS 5-SEP-1984 04:32:23 [UETPSY.SRC]SATSSS54.MAR;1
                                                                                                                                      (1)
       00C1
00C1
00C1
00C1
00C1
                2444345454789
24444444789
                                 .SBTTL FORM_CONDS
                        FUNCTIONAL DESCRIPTION:
                                            FORM_CONDS FORMATS AND PRINTS INFORMATION ABOUT
                          THE CURRENT ELEMENT IN EACH OF THE CONDITION TABLES.
       ŎŎČ1
       ŎŌČ1
                        CALLING SEQUENCE:
       00C1
       ŎŎČ1
                                 BSBW FORM_CONDS
                250
251
253
253
       00c1
       OOC 1
                        INPUT PARAMETERS:
       00C1
       00C1
                                 NONE
       00C1
                253
       00C1
                        IMPLICIT INPUTS:
       00C1
                                 R2.3.4.5.6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES FOR COND TABLES 1.2.3.4.5. RESPECTIVELY.
       00C1
       ŎŎČ1
                                FOR X = 1,2,3,4,5 :

CONDX_T - TITLE TEXT FOR CONDX TABLE

CONDX_TAB - ELEMENT TEXT FOR CONDX TABLE

CONDX_C - CONTEXT OF THE CONDX TABLE

CONDX_E - DATA ELEMENTS OF THE CONDX TABLE
       ÕÕČ1
                 259
       00C1
                 260
                261
       ŎŎČ1
       ŎŎČ1
       00c1
                 263
       ŎŎČ1
                 264
                265
266
267
       00C1
                        OUTPUT PARAMETERS:
       00C1
       00C1
                                 NONE
       00C1
                 268
                269
270
271
       00C1
                        IMPLICIT OUTPUTS:
       00C1
       00C1
                                NONE
                272
273
274
275
       00£1
       0001
                        COMPLETION CODES:
       00¢1
       00C1
                                NONE
                276
277
278
279
       00C1
       0001
                        SIDE EFFECTS:
       00C1
       00C1
                                NONE
       00C1
                280
       00C1
                281 :--
                282
       00C1
       00C1
       00C1
                285 FORM_CONDS:: 286 SFAO
       0001
       00C1
                                $FAO_S MSG1_INP_CTL,FAO_LEN,FAO_DESC,TESTNUM
                287
288
289
       00E0
                                                                               FORMAT CONDITIONS HEADER MSG
 30
91
      00EQ
                                 BSBW
                                            OUTPUT MSG
                                                                                     AND PRINT IT
       00E3
                                 CMPB
                                            #COND1 C , #NULL
                                                                                IS CONDITION 1 NULL ?
                290 293 293 295
      00E6
 12
                                 BNEQU
                                            10$
                                                                               NO -- CONTINUE
 31
       00E8
                                 BRW
                                            FORM_CONDSX
                                                                               YES -- SUBROUTINE IS FINISHED
                      105:
       00EB
                                           COND1_T,MSG_A
COND1_TABER2],MSG_B
#CONDT_C,MSG_CTXT_
       OOEB
                                 MOVAL
                                                                               SAVE ADDRESS OF CONDITION 1 TITLE FOR FAO
      00F6
 00
                                 MOVL
                                                                               SAVE ADDR OF COND 1 CURR TEXT ELT FOR FAO
 90
       0102
                                 MOVB
                                                                              SAVE CONDITION 1 CONTEXT FOR FAO
                                 MOV_VAL CONDI_E, CONDI_EER2], MSG_DATAI; GIVE COND 1 DATA VALUE TO FAO
       0109
                 296
```

```
SATS SYSTEM SERVICE TESTS $CLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 FORM_CONDS 5-SEP-1984 04:32:23 [UETPSY.SRC]SATSSS54.MAR;1
SATSSS54
                                                                                                                                                           Page
V04-000
                                                                                                                                                                    (1)
                                                        297
298
299
                                         30
91
                                                                                 WRITE_MSG2
#COND2_C,#NULL
                                 FEF4'
                                                                       BSBW
                                                                                                                 FORMAT AND WRITE CONDITION 1 MSG
                                              010C
                                   14
                                                                       CMPB
                                                                                                                 IS CONDITION 2 NULL ?
                                   03
                                               010F
                                                                       BNEQU
                                                                                 20$
                                                                                                                  NO -- CONTINUE
                                          31
                                 0096
                                              0111
                                                        500
                                                                       BRW
                                                                                 FORM_CONDSX
                                                                                                                : YES -- SUBROUTINE IS FINISHED
                                               0114
                                                        301
                                                             205:
                                                                      MOVAL COND2_T,MSG_A ; SAVE ADDRESS OF CONDITION 2 TITLE FOR MOVL COND2_TABER3],MSG_B ; SAVE ADDR OF COND 2 CURR TEXT ELT FOR MOVB #COND2_C,MSG_CTXT ; SAVE CONDITION 2 CONTEXT FOR FAO MOV_VAL COND2_C,COND2_EER3],MSG_DATA1 ; GIVE COND 2 DATA VALUE TO FAO BSBU WRITE_MSG2 ; FORMAT AND WRITE CONDITION 2 MSG
                     0000008A'EF
0000008A'EF43
                                                        302
303
      0000000°EF
                                               0114
                                                                                                               : SAVE ADDRESS OF CONDITION 2 TITLE FOR FAO
   0000000'EF
                                          DŌ
                                              011F
                                                                                                                  SAVE ADDR OF COND 2 CURR TEXT ELT FOR FAO
                                              012B
0132
                 0000000'EF
                                          90
                                                        304
                                                        305
                                              0132
0135
                                                                                                               ; FORMAT AND WRITE CONDITION 2 MSG; IS CONDITION 3 NULL ?
                                                        306
                                 FECB
                                          91
                                                        307
                                                                                 #COND3_C, #NULL
                                   14
                                                                       CMPB
                                              0138
013A
                                   03
                                                        308
                                                                       BNEQU
                                                                                 30$
                                                                                                                  NO -- CONTINUE
                                 006D
                                          31
                                                        309
                                                                                 FORM_CONDSX
                                                                                                               : YES -- SUBROUTINE IS FINISHED
                                                                       BRW
                                                                     310 30$:
                                               013D
      0000000'EF
                                              0130
                       0000008B'EF
                                                                                                                  SAVE ADDRESS OF CONDITION 3 TITLE FOR FAO
                   00000088 EF 44
                                              0148
                                                        312
313
   00000000'EF
                                                                                                                  SAVE ADDR OF COND 3 CURR TEXT ELT FOR FAO
                 0000000'EF
                                          90
                                               015B
                                              015B
015E
                                                        315
                                 FEA2
                                          91
                                                        316
317
                                   14
                                          13
                                               0161
                        0000008C'EF
      00000001EF
                                                        318
                                          DE
                                               0163
                                                                                                                  SAVE ADDRESS OF CONDITION 4 TITLE FOR FAO
                     0000008C'EF45
   00000000'EF
                                                        319
                                          D0
                                               016E
                                                                                                                  SAVE ADDR OF COND 4 CURR TEXT ELT FOR FAO
                 0000000°EF
                                          90
                                                        320
322
322
323
323
326
7
                                               017A
                                  14
                                               0181
                                FE7C
                                               0181
                                          91
                                   14
                                               0184
                                               0187
                                          13
      00000001EF
                       0000008D'EF
                                              0189
                                                                                                                  SAVE ADDRESS OF CONDITION 5 TITLE FOR FAO
                                         DE
                     0000008D'EF46
   00000000'EF
                                              0194
                                         D0
                                                                                                                  SAVE ADDR OF COND 5 CURR TEXT ELT FOR FAO
                 0000000'EF
                                          90
                                              01A0
                                                        328
                                               01A7
                                                        329
                                FE56'
                                         30
                                              01A7
                                                       336 FORM_CONDSX:
                                              01AA
                                              01AA
                                                        331
                                          05
                                                                       RSB
                                                                                                               : RETURN TO CALLER
```

01AB 01AB 01AB 01AB 01AB 01AB 01AB

01AB

01AB

01AB

340 346

01AB 01AB 01AB **01AB** 348 01AB 01AB 350 351 01AB

01AB 01AB 353 01AB 01AB 355 01AB 356 357 01AB

01AB 358 01AB 359 01AB 360 01AB 361 01AB 362 01AB 363

364

372 373

374

01AB 365 01AB 366 01AB 367 **01AB** 368 **01AB** 369 370 01AB 01AB 371

01AB

01AB 01AB

01AB

01AB

01AB 375 376 01AB 01AB 01AB 01AB 01AB 01AB 01AB **01AB** 

389

VERIFY IS CALLED ONCE FOR EACH COMBINATION OF CONDITION TABLE VALUES (AS DETERMINED BY THE INDEX REGISTERS R2.3.4.5.6 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY). VERIFY ESTABLISHES THE CONDITIONS SPECIFIED BY THE COND TABLES AND ISSUES THE SUBJECT SYSTEM SERVICE (\$CLREF). THEN, THE SUCCESSFUL OPERATION OF THE SERVICE IS VERIFIED BY EXAMINING THE STATUS CODE RETURNED, THE VALUES FOR RETURN ARGUMENTS AND THE FUNCTIONALITY PERFORMED. THE EXAMINATIONS TAKE THE FORM OF COMPARISONS AGAINST EXPECTED VALUES. ANY FAILING COMPARISON CAUSES AN ERR EXIT MACRO TO BE EXECUTED (EITHER DIRECTLY, OR INDIRECTLY, THROUGH THE SS CHECK MACRO); ERR EXIT SETS EFLAG TO NON-ZERO, PRINTS ERROR MESSAGES AND CAUSES AN IMMEDIATE RSB TO CALLER. WHEN ERR\_EXIT IS EXECUTED, FURTHER CALLS TO VERIFY ARE SUPPRESSED, AND, AFTER EXECUTING CLEANUP SUBROUTINES, THE IMAGE EXITS.

CALLING SEQUENCE:

BSBW VERIFY

FUNCTIONAL DESCRIPTION:

INPUT PARAMETERS:

NONE

IMPLICIT INPUTS:

R2.3.4.5.6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES FOR COND TABLES 1,2,3,4,5, RESPECTIVELY. FOR X = 1,2,3,4,5 :

CONDX E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
ADDRESS OF TABLE X IS A SYSTEM SERVICE
ADDRESS OF TABLE X IS A SYSTEM SERVICE
ADDRESS OF TABLE X IS A SYSTEM SERVICE FOR CONDX\_E.

**OUTPUT PARAMETERS:** 

NONE

IMPLICIT OUTPUTS:

VERIFY HAS NO OUTPUT. SINCE ITS PURPOSE IS TO TEST FOR ERRORS IT MERELY RETURNS TO CALLER NORMALLY AFTER THE TESTS, PROVIDING ALL WERE SUCCESSFUL: IF AN ERROR IS DISCOVERED, RETURN IS VIA AN ERR\_EXIT OR SS\_CHECK MACRO, BOTH OF WHICH DOCUMENT DETECTED ERRORS.

COMPLETION CODES:

EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.

SIDE EFFECTS:

SS\_CHECK AND ERR\_EXIT MACROS CAUSE PREMATURE EXIT (VIA RSB) IF ERRÖR ENCOUNTERED.

SAT VO4

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SATS
VO4-
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| ATSS\$54<br>04-000   | VERIFY   | 4 SERVICE TEST   | S \$CLREF  | H 4<br>(SUCC 16-SEP-1984 00:<br>5-SEP-1984 04:                  | 57:57 VAX/VMS Macro VO4-00 Page 13<br>32:23 [UETPSY.SRC]SATSSS54.MAR;1 (1)   |
|--|--|--|--|---|--|
| 00000000 'EF<br>03<br>FF0B<br>58 00000086 'EF42<br>58 58 05<br>59<br>02 00000086 'EF42<br>41                         | 01AB<br>01AB<br>01AB<br>01AB<br>95 01AB<br>13 01B1<br>30 01B3<br>01B6<br>9A 01B6<br>78 01BE<br>01C2<br>91 01C4<br>19 01CC    | 396<br>397<br>398 5\$:<br>399<br>400<br>401<br>402<br>403<br>404   | TSTB C BEQL 5 BSBW F MOVZBL C ASHL W CLRL R CMPB C BLSS 1 \$ASCEFC_S | ======================================                          | ; SHOULD CONDITIONS BE PRINTED ? ; NO CONTINUE ; YES FMT & PRINT ALL CONDS FOR THIS T.C. ; GET CLUSTER NO. INTO REGISTER ; MULT BY 32 TO GET 1ST EVENT FLAG NO. ; ESTAB OFFSET INTO CLUSTER FOR 1ST FLAG ; COMMON CLUSTER ? ; NO BYPASS THE ASSOCIATE SERVICE NAME_D ; YES ASSOCIATE   |
| 5A 58<br>5B 5A 1F  | 01E1<br>020F<br>D0 020F<br>C1 0212   | 406 15 <b>\$</b> :<br>407<br>408                                   | SS_CHECK  <br>MOVL R<br>ADDL3 #                                      | 8,R10<br>31,R10,R11   | : CLUSTER & CHECK STATUS CODE  : ESTAB CURRENT EFN IN REG 10 : ESTAB HIGH EFN FOR THIS CLUSTER   |
| 00000000°8F >0<br>2E   | C216<br>J216<br>D1 021F<br>13 0226<br>0228   | 411<br>412   | SSETEF_S<br>CMPL R<br>BEQLU 2<br>SS_CHECK                            | O.WSS\$_WASSET<br>5\$   | : SET CURRENT EVENT FLAG<br>: WASSET STATUS CODE ?<br>: YES GO LOOP FOR ANOTHER SETEF<br>: NO BETTER BE WASCLR, THEN   |
| FFBA 5A 01 5B  | 3D 0256  | 414 25\$:  | _  | 11,#1,R10,20\$  | ; INCREMENT TO NEXT EFN & LOOP   |
| 5A 59 58   | 81 025C<br>0260  | 417<br>418 ;   |  | 8,R9,R10  | ; COMPUTE EVENT FLAG NUMBER  |
| 00000000'8F 50<br>60<br>00000000'EF 00000000'8F<br>00000000'EF 50  | 81 025C<br>0260<br>0260<br>0260<br>0260<br>0260<br>01 0269<br>13 0270<br>00 0272<br>00 0272<br>00 0284<br>0202               | 422<br>423   | \$CLREF_S  <br>CMPL ROBEQLU 4  | EFN=R10<br>0,#SS\$_WASSET<br>0\$                                | E SUBJECT OF THIS TEST CASE ******  : CLEAR EVENT FLAG  : CODE RECEIVED = CODE EXPECTED ?  : YES CONTINUE  : LOAD UP EXPECTED AND  : RECEIVED VALUES, THEN EXIT  CODE RETURNED FROM CLREF>   |
| 5B<br>57<br>000000000'EF 00000000'EF<br>00000000'EF 5B 00 00<br>00000000'EF 0000008'EF<br>00 00000008'EF 5B 00<br>4D | 02D2<br>02E1<br>02E1<br>04 030F<br>04 0311<br>81 0313<br>00 0317<br>F0 0322<br>00 0328<br>EC 0336<br>13 033F<br>0341<br>038E | 429<br>430<br>431<br>433<br>433<br>435<br>436<br>437<br>438<br>439 | SS_CHECK ( CLRL R CLRL R ADDB3 # MOVL OI INSV # MOVL C               | 11<br>7<br>1,R9,R11<br>NÉS,ÉXPV<br>0,#0,R11,EXPV<br>LUSTÉR,RÉCV | READ CURRENT CLUSTER  AND CHECK ITS STATUS  CLEAR REGISTERS TO ALLOW  BYTE OPERATIONS ON THEM  COMPUTE NUMBER OF O-BITS TO COMPARE  ESTAB EXPECTED VALUE FOR  POSSIBLE ERR EXIT  ESTAB RECEIVED VALUE AS WELL  ARE ALL EXPECTED EVENT FLAGS CLEAR?  YES GO LOOK AT SET FLAGS  CLUSTER SHOULD BE CLEAR>  NO GENERATE ERROR & EXIT |
| 59 1F<br>64<br>57 1F 59<br>00000008'EF 57 5B<br>00000000'EF  | 038E<br>91 038E<br>13 0391<br>83 0393<br>EC 0397<br>039F<br>13 03A4  | 440 50\$:<br>441<br>452<br>443<br>444                              | BEQL 6<br>SUBB3 R'<br>CMPV R   | 31,R9<br>0\$<br>9,#31,R7<br>11,R7,CLUSTER,ONES<br>0\$           | : IS CURRENT EFN HIGHEST IN CLUSTER ? : YES THEN CLUSTER IS ALL ZERO BITS : NO COMPUTE NO. OF 1-BITS TO COMPARE : ARE ALL EV FLAGS NOT YET CLRED STILL SET ? : YES GO LOOK AT NEXT EVENT FLAG  |

SAT VO4

SATS SYSTEM SERVICE TESTS SCLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 Page 14 V04-000

SATS SYSTEM SERVICE TESTS SCLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 Page 14 VERIFY

O3A6 446 ERR\_EXIT LONG, < EVENT FLAG(S) IN CLUSTER SHOULD NOT BE CLEAR> ; NO -- GENERATE ERROR & EXIT O3F7 448 608:

FESF 59 01 1F 9D 03F7 449 ACBB #31,#1,R9,30\$ ; INCR TO NEXT EFN IN THIS CLUSTER & LOOP RSB ; RETURN TO CALLER

```
452
453 :++
454 : FI
                                .SBTTL VFY_CLEANUP
                   : FUNCTIONAL DESCRIPTION:
            455
                     VFY CLEANUP EXECUTES SYSTEM SERVICES TO UNDO THE EFFECT OF THOSE ISSUED IN THE VERIFY SUBROUTINE. VFY CLEANUP MUST ASSUME THAT VERIFY MAY NOT HAVE EXECUTED IN ITS ENTIRETY (IF AN ERROR IS FOUND). ALSO, VFY CLEANUP MAY ISSUE SS CHECK OR ERF EXIT ONLY AFTER PERFORMING ALL OF ITS CLEANUP OPERATIONS; THIS IS REQUIRED IN THE EVENT THAT VFY CLEANUP IS CALLED DURING ERROR PROCESSING, WHEN PERFORMING THE REQUIRED CLEANUP IS MORE IMPORTANT THAN POSSIBLY DISCOVERING A SECOND ERROR
           456
457
458
459
            460
            461
           462
                      POSSIBLY DISCOVERING A SECOND ERROR.
            464
ŎŜFĒ
            465
                     CALLING SEQUENCE:
03FE
            466
03FE
            467
                                BSBW VFY_CLEANUP
03FE
            468
03FE
           469 : INPUT PARAMETERS:
03FE
           470
03FE
           471
                                NONE
03FE
           473
03FE
                     IMPLICIT INPUTS:
03FE
           474
                               R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.

FOR X = 1,2,3,4,5:

CONDX E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX

TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
           475
03FE
03FE
            476
03FE
            477
03FE
           478
03FE
                                                 ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
U3FE
03FE
            481
                                                 FOR CONDX_E.
03FE
03FE
           483 :
                     OUTPUT PARAMETERS:
03FE
03FE
           485
                                NONE
03FE
03FE
           487 :
                     IMPLICIT OUTPUTS:
03FE
           488
03FE
           489
                                NONE
03FE
            490
03FE
           491
                     COMPLETION CODES:
           492
03FE
03FE
                                EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
           494
03FE
           495
03FE
                     SIDE EFFECTS:
ĎŠFE
           496
03FE
           497
                                SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
03FE
           498
                                (VIA RSB) IF ERROR ENCOUNTERED.
03FE
           499
03FE
            500 :--
03FE
            501
03FE
            502
            503
03FE
03FE
            504 VFY_CLEANUP::
03FE
            505
                                RSB
                                                                                     : RETURN TO CALLER
03FF
            506
                                .END
```

SATS SYSTEM SERVICE TESTS \$CLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 VFY CLEANUP 5-SEP-1984 04:32:23 [UETPSY.SRC]SATSSS54.MAR;1

SAT

V04

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```
Symbol table
                                                                                                     = 000003B0 R
                                                                                                 = 0000002C
= 00000019
= 00000019
 $$$CHARS
$$$CHARS1
$$$CHARS2
$$$CHARS3
                                                                                                  = 00000012
                                                                                                  = 00000012
 $$$CHARS4
                                                                                                 = 00000000
 $$$CHARS5
                                                                                                 = 00000003
 SSSCOND A
 $$$STRINGS
                                                                                                  = 00000001
 $$$STRINGS2
                                                                                                 = 00000005
 SSTI
                                                                                                 = 00000000
 $$12
                                                                                                 = 00000004
 BYTE
                                                                                                   = 00000001
 CFLAG
                                                                                                          ******
 CHMRTN
                                                                                                           ******
                                                                                                                                                           04
 CHM_CONT
                                                                                                           ******
                                                                                                                                                           04
 CLUSTER
                                                                                                                                                           03
                                                                                                          00000008 R
COMP SC
                                                                                                     ******
                                                                                                          000000B7 RG
COND1
COND1_C
COND1_CLEANUP
COND1_E
COND1_H
COND1_T
COND1_TAB
COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND2_COND
                                                                                               = 00000000
                                                                                                          000000B8 RG
                                                                                                          00000086 R
                                                                                                                                                           Ŏ3
                                                                                                          0000001B RG
                                                                                                                                                           03
                                                                                                                                                           03
                                                                                                          0000000C R
                                                                                                          0000001C R
                                                                                                                                                           03
                                                                                                          000000B9 RG
COND2_C
COND2_CLEANUP
COND2_H
COND2_T
COND2_TAB
COND3_C
                                                                                              = 00000014
                                                                                                          000000BA RG
                                                                                                          0000008A RG
                                                                                                                                                           03
                                                                                                          0000008A R
                                                                                                                                                           Õ3
                                                                                                          0000008A R
                                                                                                                                                           03
                                                                                                          000000BB RG
                                                                                                                                                           04
 COND3_C
                                                                                             = 00000014
COND3_CLEANUP
COND3_H
COND3_T
COND3_TAB
                                                                                                          000000BC RG
                                                                                                          0000008B RG
                                                                                                                                                           03
                                                                                                          0000008B R
                                                                                                                                                           03
                                                                                                          0000008B R
                                                                                                                                                           03
                                                                                                          000000BD RG
 CUND4
                                                                                                                                                           04
 COND4_C
                                                                                              = 00000014
 COND4 CLEANUP
                                                                                                          000000BE RG
                                                                                                                                                           03
03
03
                                                                                                          0000008C RG
COND4_T
COND4_TAB
COND5
                                                                                                          0000008C R
                                                                                                          0000008C R
                                                                                                          000000BF RG
CONDS C
CONDS CLEANUP
CONDS H
CONDS T
CONDS TAB
                                                                                              = 00000014
                                                                                                          000000CO RG
                                                                                                                                                           03
03
                                                                                                          0000008D RG
                                                                                                          0000008D R
                                                                                                                                                           03
                                                                                                    0000008D R
CTLSGE_PHD
                                                                                                                                                           04
                                                                                                  = 00000010 G
 DESC
 EFLAG
                                                                                                           *******
 EXPV
                                                                                                           *******
 FAO DESC
 FAO_LEN
                                                                                                           *******
                                                                                                          000000C1 RG
 FORM_CONDS
                                                                                                          000001AA R
 FORM_CONDSX
```

SATSSS54

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SATS SYSTEM SERVICE TESTS $CLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 Page 16 5-SEP-1984 04:32:23 [UETPSY.SRC]SATSSS54.MAR;1 (1)
                                   LONG
MOD_MSG_CODE
MOD_MSG_PRINT
MSGT_INP_CTL
MSG3_ERR_CTL
MSG_A
MSG_B
MSG_CTXT
NOTARG
                                                                           = 00000004 G
                                                                              ******
                                                                                                  04
02
02
                                                                              *******
                                                                              00000019 R
                                                                              00000039 RG
                                                                              ******
                                                                              *******
                                                                              *******
                                                                           = 00000000
                                   NULL
                                                                           = 00000014
                                                                                           G
                                   ONES
                                                                                                 04
                                   OUTPUT_MSG
                                                                              ******
                                                                                                  04
                                    PCV
                                                                              *******
                                                                                                  04
                                    PHDSQ PRIVMSK
                                                                          = 00000000
                                    PRIVMÄSK
                                                                              00000000 R
                                                                                                  03
                                   PRIV_ARGS
PROCESS_ERR
                                                                           = 00000002
                                    QUAD
                                                                           = 00000008 G
                                    RECV
                                                                              *******
                                   REST_REGS
SAVE_REGS
SS$_NORMAL
SS$_WASCLR
SS$_WASSET
SUCCESS
                                                                              ******
                                                                                                  04
                                                                                                  04
                                    SYS$ASCEFC
                                                                                                  04
                                    SYS$CLREF
                                                                                                  04
                                    SYSSCMKRNL
                                                                                                  04
                                    SYS$FAO
                                                                                                  04
                                    SYS$READEF
                                                                                                  Ŏ4
                                    SYS$SETEF
                                                                              ******
                                                                                                  Õ4
                                    SYS$SETPRN
                                                                              ******
                                                                                                  Õ4
                                    SYS$SETPRV
                                                                              ******
                                    TESTNUM
                                                                              ******
                                   TEST_MOD_NAME
TEST_MOD_NAME_D
TEST_MOD_SUCC
TMD_ADDR
TM_CLEANUP
TM_SETUP
                                                                              00000000 RG
                                                                                                  Õ2
                                                                              00000009 R
                                                                              ******
                                                                              ******
                                                                                                  Õ4
                                                                              000000B3 RG
                                                                                                  04
                                                                              00000000 RG
                                                                                                  04
                                   VERIFY
                                                                              000001AB RG
                                                                                                 04
                                   VFY CLEANUP WORD
                                                                              000003FE RG
                                                                                                 04
                                                                         = 00000002 G
                                    WRITE_MSG2
                                                                                                 04
                                                                              *******
```

(1)

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SATS SYSTEM SERVICE TESTS $CLREF (SUCC 16-SEP-1984 00:57:57 VAX/VMS Macro V04-00 5-SEP-1984 04:32:23 [UETPSY.SRC]SATSSS54.MAR;1
SATSSS54
                                                                                                                                                            Page
Psect synopsis
                                                               Psect synopsis
PSECT name
                                         Allocation
                                                                  PSECT No.
                                                                               Attributes
   ABS
                                         00000000
                                                                         0.)
                                                                                NOPIC
                                                                                                 CON
                                                                                                         ABS
                                                                                                                LCL NOSHR NOEXE NORD
                                                                                          USR
                                                                                                                                            NOWRT NOVEC BYTE
                                                           Ò.)
SABSS
                                         0000000
                                                                  01
                                                                                NOPIC
                                                                                                         ABS
                                                                                          USR
                                                                                                 CON
                                                                         1.)
                                                                                                                LCL NOSHR
                                                                                                                               EXE
                                                                                                                                               WRT NOVEC BYTE
                                                                  ŎŻ
03
                                                                         Ž.)
RODATA
                                         00000051
                                                          81.)
                                                                                NOPIC
                                                                                                 CON
                                                                                                         REL
                                                                                          USR
                                                                                                                LCL NOSHR NOEXE
                                                                                                                                       RD
                                                                                                                                            NOWRT NOVEC LONG
                                                        142.)
RWDATA
                                         0000008E
                                                                                NOPIC
                                                                                                  CON
                                                                                          USR
                                                                                                         REL
                                                                                                                LCL NOSHR NOEXE
                                                                                                                                       RD
                                                                                                                                               WRT NOVEC LONG
SATSSS54
                                         000003FF
                                                                  04
                                                                                NOPIC
                                                                                                  CON
                                                                                                         REL
                                                                                                                                       RD
                                                                                          USR
                                                                                                                LCL NOSHR
                                                                                                                               EXE
                                                                                                                                               WRT NOVEC BYTE
                                                           Performance indicators
Phase
                                Page faults
                                                   CPU Time
                                                                      Elapsed Time
                                          29
Initialization
                                                   00:00:00.08
                                                                      00:00:00.34
                                         110
                                                   00:00:00.69
Command processing
                                                                      00:00:01.66
                                        231
Pass 1
                                                                      00:00:11.03
                                                                      00:00:00.65
Symbol table sort
                                           0
                                                   00:00:00.43
                                         106
Pass 2
                                                   00:00:01.55
                                                                      00:00:02.43
Symbol table output Psect synopsis output
                                                   00:00:00.08
                                          14
                                                                      00:00:00.09
                                                   00:00:00.03
                                                                      00:00:00.05
Cross-reference output
                                                   00:00:00.00
                                                                      00:00:00.00
                                        493
                                                   00:00:08.59
Assembler run totals
                                                                      00:00:16.25
The working set limit was 1200 pages. 28528 bytes (56 pages) of virtual memory were used to buffer the intermediate code. There were 20 pages of symbol table space allocated to hold 295 non-local and 28 local symbols.
506 source lines were read in Pass 1, producing 22 object records in Pass 2. 35 pages of virtual memory were used to define 26 macros.
                                                          Macro library statistics!
Macro library name
                                                         Macros defined
 $255$DUA28:[SHRLIB]UETP.MLB:1
_$255$DUA28:[SYS.OBJ]LIB.MLB;1
_$255$DUA28:[SYSLIB]STARLET.MLB;2
```

620 GETS were required to define 23 macros.

TOTALS (all libraries)

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSS54/OBJ=OBJ\$:SATSSS54 MSRC\$:SATSSS54/UPDATE=(ENH\$:SATSSS54)+EXECML\$/LIB+SHRLIB\$:UETP/LIB

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